BRUHAT BANGALORE MAHANAGARA PALIKE

PRE-MEASUREMENT

MEASUREMENT SHEET

Name of work: Improvements to Roads and Drains at Singapura Layout and Surrounding areas in Ward No. 15 (Kuvempunagara).

Estimated Cost : Rs. 30.00 Lakhs

Head of Account : P-3726 Zonal Public Works - POW Works

Job Code: 015-23-000008

Name of Agency: Sri. S.M. Varadarajappa, No. 01/127, Singapura Main Road, Singapura Vidyaranyapura Post, Yelahanka Post, Yalahanka Hobli, Bangalore - 560097.

Work order No: BBMP/EE/BTP/WO/143/2022-23 D: 04-03-2023.

	Measurements Recarded on :	30-04-2023					
Sl No	Description of work	Mesurement				Qty.	Unit
		No.	L	B	D		
1	Earth work Excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.						Cum
	New Drain						
	3rd Main Road Singapura Layout						
	N/S	1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	14.30	1.00	1.00	14.30	
	S/S						
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	

Sl No	Description of work	Mesurement				Qty.	Unit
		No.	L	B	D		
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	10.10	1.00	1.00	10.10	
		Total Qty =				**354.40**	
		Qty Ltd to App Qty =				**350.00**	Cum

Assistant Engineer
Ward No. 15, Kuvempunagara

Assistant Executive Engineer
Vidyaranyapura Sub-Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Sl No	Description of work	Mesurement				Qty.	Unit
		No.	L	B	D		
	Measurements Recarded on :	18-04-2023					
2	Providing and laying in position Plain Cement Concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications.						Cum
	New Drain						
	3rd Main Road Singapura Layout						
	N/S	1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	14.30	1.00	0.15	2.14	
	S/S						
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	10.10	1.00	0.15	1.51	
		Total Qty =				**53.15**	
		Qty Ltd to App Qty =				**52.50**	Cum

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Sl No	Description of work	Mesurement				Qty.	Unit
		No.	L	B	D		
	Measurements Recarded on :	04-05-2023					
3	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately)						Cum
	New Drain						
	Raft						
	3rd Main Road Singapura Layout						
	N/S	1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	14.30	0.90	0.15	1.93	
	S/S						
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	15.00	0.90	0.15	2.02	
		1	10.10	0.90	0.15	1.36	
	Side Wall						
	3rd Main Road Singapura Layout						
	N/S	2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.59	2.66	
		2	15.00	0.15	0.60	2.70	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.59	2.66	
		2	15.00	0.15	0.59	2.66	
		2	15.00	0.15	0.60	2.70	

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Sl No	Description of work	Mesurement				Qty.	Unit
		No.	L	B	D		
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.59	2.66	
		2	15.00	0.15	0.60	2.70	
		2	15.00	0.15	0.58	2.61	
		2	14.30	0.15	0.59	2.53	
	S/S						
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.59	2.66	
		2	15.00	0.15	0.60	2.70	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.60	2.70	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.59	2.66	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.60	2.70	
		2	15.00	0.15	0.59	2.66	
		2	15.00	0.15	0.58	2.61	
		2	10.10	0.15	0.59	1.79	
		Total Qty =				**110.32**	
		Qty Ltd to App Qty =				**110.25**	Cum

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Sl No	Description of work	Mesurement				Qty.	Unit
		No.	L	B	D		
	Measurements Recarded on :	04.05.2023					
4	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.						Tonne
	U Shape Drains	**No**	**L**	**Mtrs**	**Kg/m**	**Kgs**	
	3rd Main Road Singapura Layout						
	N/S						
	10 mm dia	1712	2.10	3595.20	0.62	2229.02	
	8 mm dia	16	179.30	2868.80	0.39	1118.83	
	Total					**3347.86**	
	S/S						
	10 mm dia	1679	2.10	3525.90	0.62	2186.06	
	8 mm dia	16	175.10	2801.60	0.39	1092.62	
	Total					**3278.68**	
	Grand Total					**6626.54**	Kgs
		Total Qty =				**6.63**	Tonne
		Qty Ltd to App Qty =				**6.62**	Tonne

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